

BASF Aktiengesellschaft

October 2 1997

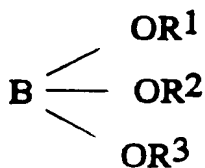
NAE19970541 G/R1/TF



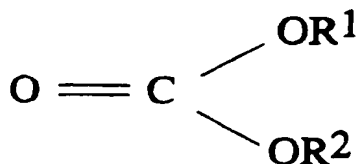
Abstract

5

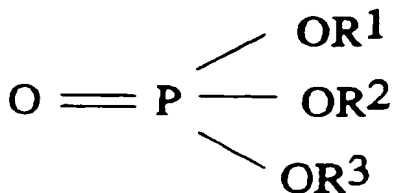
1. Use of at least one ester of the formula (I) to (V)



(I)

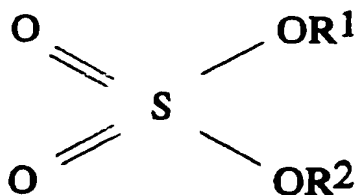


(II)

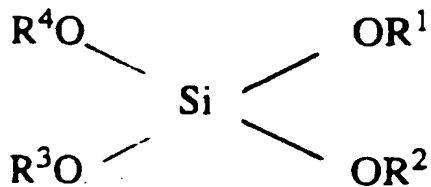


(III)

10



(IV)



(V)

where R^1 , R^2 , R^3 , R^4 are identical or different and each, independently of one another, are a linear or branched-chain C_1 - to C_4 -alkyl, $(-CH_2-CH_2-O)_n-CH_3$ with $n = 1$ to 3 , a C_3 - to C_6 -cycloalkyl, an aromatic hydrocarbon group
5 which in turn can be substituted, with the proviso that at least one of the groups R^1 , R^2 , R^3 or R^4 is $(-CH_2-CH_2-O)_n-CH_3$ with $n = 1$ to 3 ,

is used as a solvent in electrolyte systems for Li-ion
10 storage cells.